

2810-011753-P00-2016-03-S. Whitcomb  
**PLAN OF OPERATIONS FOR MINING ACTIVITIES  
 ON NATIONAL FOREST SYSTEM LANDS**

USE OF THIS FORM IS OPTIONAL! 1<sup>st</sup> TIME USERS SHOULD DIRECT QUESTIONS REGARDING THIS FORM OR REGULATIONS (36 CFR 228A) TO THE FOREST SERVICE DISTRICT OFFICE NEAREST YOUR AREA OF INTEREST.

Submitted by:

Signature

Title

Date

(mm/dd/yy)

Signature

Title

Date

(mm/dd/yy)

Plan Received by:

Signature

Title

Date

(mm/dd/yy)

Rebecca Anderson

**I. GENERAL INFORMATION**

- A. Name of Mine/Project: THREE FEATHERS MINING CLAIM
- B. Type of Operation: PLACER  
 (lode, placer, mill, exploration, development, production, other)
- C. Is this a (☐ new/☒ continuing) operation? (check one).  
 If continuing a previous operation, this plan (☒ replaces/☐ modifies/☐ supplements) a previous plan of operations. (check one)
- D. Proposed start-up date (mm/dd/yy) of operation: JULY 1<sup>ST</sup>, 2016
- E. Expected total duration of this operation: 2<sup>1</sup>/<sub>2</sub> YEARS
- F. If seasonal, expected date (mm/dd/yy) of annual reclamation/stabilization close out: AUGUST 15<sup>TH</sup>, 2016
- G. Expected date (mm/dd/yy) for completion of all required reclamation: AUGUST 15<sup>TH</sup>, 2017

**II. PRINCIPALS**

- A. Name, address and phone number of operator:

Shane Whitcomb

- B. Name, address, and phone number of authorized field representative (if other than the operator).  
 Attach authorization to act on behalf of operator.

- C. Name, address and phone number of owners of the claims (if different than the operator):

David Whitcomb

- D. Name, address and phone number of any other lessees, assigns, agents, etc., and briefly describe their involvement with the operation, if applicable:

N/A

### III. PROPERTY OR AREA

(Name of claim, if applicable, and the legal land description where the operation will be located.)

MC#	Name	Section	Township	Range
67498	THREE FEATHERS	4	39N	11E

### IV. DESCRIPTION OF THE OPERATION

- A. **Access.** Show on a map (USGS quadrangle map or a National Forest map, for example) the claim boundaries, if applicable, and all access needs such as roads and trails, on and off the claim. Specify which Forest Service roads will be used, where maintenance or reconstruction is proposed, and where new construction is necessary. For new construction, include construction specifications such as widths, grades, etc., location and size of culverts, describe maintenance plans, and the type and size of vehicles and equipment that will use the access routes.

ACCESS ROUTE: FROM SUPERIOR, MT TAKE FS ROAD 250 TO FS ROAD 255 TAKE FS ROAD 255 OVER DECEPTION PASS (SADDLE) DOWN INDEPENDENCE CREEK TO MOOSE CREEK TRAIL FS ROAD, 100 YARDS ON THE LEFT INTO CAMPSITE WHICH IS THREE FEATHERS MINING CLAIM

- B. **Map, Sketch or Drawing.** Show location and layout of the area of operation. Identify any streams, creeks or springs if known. Show the size and kind of all surface disturbances such as trenches, pits, settling ponds, stream channels and run-off diversions, waste dumps, drill pads, timber disposal or clearance, etc. Include sizes, capacities, acreage, amounts, locations, materials involved, etc.

SEE ENCLOSED MAP

- C. **Project Description.** Describe all aspects of the operation including mining, milling, and exploration methods, materials, equipment, workforce, construction and operation schedule, power requirements, how clearing will be accomplished, topsoil stockpile, waste rock placement, tailings disposal, proposed number of drillholes and depth, depth of proposed suction dredging, and how gravels will be replaced, etc. Calculate production rates of ore. Include justification and calculations for settling pond capacities, and the size of runoff diversion channels.

THREE FEATHERS CLAIM -  
DREDGING DEPTH, APPROX 2 FT SUCTION WITH A 4" OR 5" DREDGE. ROCKS WILL BE REPLACED IN THE STREAM CHANNEL AND GRAVEL SHOVELED ON TOP OF THE ROCKS. THE WIDTH OF THE STREAM IS  $\approx 20'$  AND UPSTREAM DISTANCE TO BE WORKED IS APPROX 30 FEET.

- D. **Equipment and Vehicles.** Describe that which is proposed for use in your operation (Examples: drill, dozer, wash plant, mill, etc.). Include: sizes, capacity, frequency of use, etc.

5 HP engine  
5" DREDGE AND HAND TOOLS/EQUIPMENT  
MAXIMUM OF TWO VEHICLES, TWO CAMPERS THAT WILL NOT BE LEFT UNATTENDED

- E. **Structures.** Include information about fixed or portable structures or facilities planned for the operation. Show locations on the map. Include such things as living quarters, storage sheds, mill buildings, thickener tanks, fuel storage, powder magazines, pipelines, water diversions, trailers, sanitation facilities including sewage disposal, etc. Include engineering design and geotechnical information for project facilities, justification and calculations for sizing of tanks, pipelines and water diversions, etc.

LIVING QUARTERS WILL BE A TOWABLE CAMPER APPROVED W/THOUSE (BY FOREST SERVICE) IS ACROSS THE ROAD FROM CAMPSITE AND IS OVER 200 FT FROM STREAMS.

#### V. ENVIRONMENTAL PROTECTION MEASURES (SEE 36 CFR 228.8)

- A. **Air Quality.** Describe measures proposed to minimize impacts on air quality such as obtaining a burning permit for slash disposal or dust abatement on roads.

I SEE NO AIR QUALITY DAMAGE

**B. Water Quality.** State how applicable state and federal water quality standards will be met. Describe measures or management practices to be used to minimize water quality impacts and meet applicable standards.

1. State whether water is to be used in the operation, and describe the quantity, source, methods and design of diversions, storage, use, disposal, and treatment facilities. Include assumptions for sizing water conveyance or storage facilities.
2. Describe methods to control erosion and surface water runoff from all disturbed areas, including waste and tailings dumps.
3. Describe proposed surface water and groundwater quality monitoring, if required, to demonstrate compliance with federal or state water quality standards.
4. Describe the measures to be used to minimize potential water quality impacts during seasonal closures, or for a temporary cessation of operations.
5. If land application is proposed for waste water disposal, the location and operation of the land application system must be described. Also describe how vegetation, soil, and surface and groundwater quality will be protected if land application is used.

THE ONLY WATER WILL BE FOR THE DREDGE.  
THE STREAM WILL BE MONITORED FOR 150 FT BELOW  
THE DREDGE FOR TURBIDITY. IF TURBIDITY IS NOTICED  
OPERATIONS WILL CEASE UNTIL NO TURBIDITY IS  
OBSERVED.

**C. Solid Wastes.** Describe the quantity and the physical and chemical characteristics of solid waste produced by the operation. Describe how the wastes will be disposed of including location and design of facilities, or treated so as to minimize adverse impacts.

NO SOLID WASTES NEAR STREAM. ALL GARBAGE WILL  
BE CONTAINED AND REMOVED. ALL TAILINGS WILL  
REMAIN IN THE STREAM.

**D. Scenic Values.** Describe protection of scenic values such as screening, slash disposal, or timely reclamation.

CAMP SITES AND DREDGING SITES WILL BE KEPT  
NEAT AND FREE OF TRASH AND RESTORED TO PRE-  
MINING CONDITION IN A TIMELY MANNER.



- E. **Fish and Wildlife.** Describe measures to maintain and protect fisheries and wildlife, and their habitat (includes threatened, endangered, and sensitive species) affected by the operations.

NO THREATENED OR ENDANGERED SPECIES ARE KNOWN AT THIS TIME IF SUCH ARE NOTICED, THE APPROPRIATE LAW ENFORCEMENT WILL BE NOTIFIED AND OPERATIONS WILL BE SHUT DOWN.

- F. **Cultural Resources.** Describe measures for protecting known historic and archeological values, or new sites in the project area.

NO KNOWN ARCHEOLOGICAL VALUES ACCORDING TO FOREST SERVICE STUDY. IF SUCH ARE NOTICED, THE APPROPRIATE AGENCY WILL BE NOTIFIED AND OPERATIONS WILL BE SHUT DOWN.

- G. **Hazardous Substances.**

1. Identify the type and volume of all hazardous materials and toxic substances which will be used or generated in the operations including cyanide, solvents, petroleum products, mill, process and laboratory reagents.

GAS FOR DREDGE - 5 GALLONS ON SITE  
OIL FOR DREDGE - 1 QUART ON SITE

2. For each material or substance, describe the methods, volume, and frequency of transport (include type of containers and vehicles), procedures for use of materials or substances, methods, volume, and containers for disposal of materials and substances, security (fencing), identification (signing/labeling), or other special operations requirements necessary to conduct the proposed operations.

GASOLINE WILL BE STORED IN A PLASTIC SPILL PROOF CONTAINER AWAY FROM STREAM. NO MORE THAN ONE GALLON WILL BE TRANSFERRED TO THE DREDGE AT A TIME, ALL PRECAUTIONS WILL BE TAKEN TO AVOID SPILLS INTO THE STREAM.

3. Describe the measures to be taken for release of a reportable quantity of a hazardous material or the release of a toxic substance. This includes plans for spill prevention, containment, notification, and cleanup.

NO TOXIC CHEMICALS WILL BE USED. IF ANY ARE FOUND, THE APPROPRIATE AGENCY WILL BE CONTACTED AND OPERATIONS WILL BE SHUT DOWN.

- H. **Reclamation.** Describe the annual and final reclamation standards based on the anticipated schedule for construction, operations, and project closure. Include such items as the removal of structures and facilities including bridges and culverts, a revegetation plan, permanent containment of mine tailings, waste, or sludges which pose a threat of a release into the environment, closing ponds and eliminating standing water, a final surface shaping plan, and post operations monitoring and maintenance plans.

THE STREAM AND CAMPSITES WILL BE RESTORED TO PRE-MINING CONDITION TO THE BEST OF OUR ABILITY. ALL HUMAN CONSTRUCTIONS WILL BE REMOVED BY THE END OF THE DREDGE SEASON.

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## VI. FOREST SERVICE EVALUATION OF PLAN OF OPERATIONS

- A. Required changes/modifications/special mitigation for plan of operations:

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S. Whitcomb

- B. **Bond.** Reclamation of all disturbances connected with this plan of operations is covered by Reclamation Performance Bond No. ↓, dated (mm/dd/yy) 6/30/16 signed by ↓ (Principal) and X (Surety), for the penal sum of \_\_\_\_\_. This Reclamation Performance Bond is a guarantee of faithful performance with the terms and conditions listed below, and with the reclamation requirements agreed upon in the plan of operations. This Reclamation Performance Bond also extends to and includes any unauthorized activities conducted in connection with this operation.

The bond amount for this Reclamation Performance Bond was based on a bond calculation worksheet. The bond amount may be adjusted during the term of this proposed plan of operations in response to changes in the operations or to changes in the economy. Both the Reclamation Performance Bond and the bond calculation worksheet are attached to and made part of this plan of operations. Acceptable bond securities (subject to change) include:

1. Negotiable Treasury bills and notes which are unconditionally guaranteed as to both principle and interest in an amount equal at their par value to the penal sum of the bond; or
2. Certified or cashier's check, bank draft, Post Office money order, cash, assigned certificate of deposit, assigned savings account, blanket bond, or an irrevocable letter of credit equal to the penal sum of the bond.


## VII. TERMS AND CONDITIONS

- A. If a bond is required, it must be furnished before approval of the plan of operations.
- B. Information provided with this plan marked confidential will be treated in accordance with the agency's laws, rules, and regulations.
- C. Approval of this plan does not constitute certification of ownership to any person named herein and/or recognition of the validity of any mining claim named herein.
- D. Approval of this plan does not relieve me of my responsibility to comply with other applicable state or federal laws, rules, or regulations.
- E. If previously undiscovered cultural resources (historic or prehistoric objects, artifacts, or sites) are exposed as a result of operations, those operations will not proceed until notification is received from the Authorized Officer that provisions for mitigating unforeseen impacts as required by 36 CFR 228.4(e) and 36 CFR 800 have been complied with.
- F. This plan of operations has been approved for a period of \_\_\_\_ or until (mm/dd/yy) \_\_\_\_\_. A new or revised plan must be submitted in accordance with 36 CFR part 228, subpart A, if operations are to be continued after that time period.

## VIII. OPERATING PLAN ACCEPTANCE

☒ ☒ We have reviewed and agreed to comply with all conditions in this plan of operations including the required changes, modifications, special mitigation, and reclamation requirements.

☒ ☒ We understand that the bond will not be released until the Authorized Officer in charge gives written approval.

  
Signature of ☒ Operator (or ☐ Authorized Representative)

6-14-16  
(Date)  
(mm/dd/yy)

## IX. OPERATING PLAN APPROVAL

Andrew M. Shoultz  
(Name)

District Ranger  
(Title)

  
Signature of (Authorized Officer)

7/01/16  
(Date)  
(mm/dd/yy)

### Burden and Non-Discrimination Statement

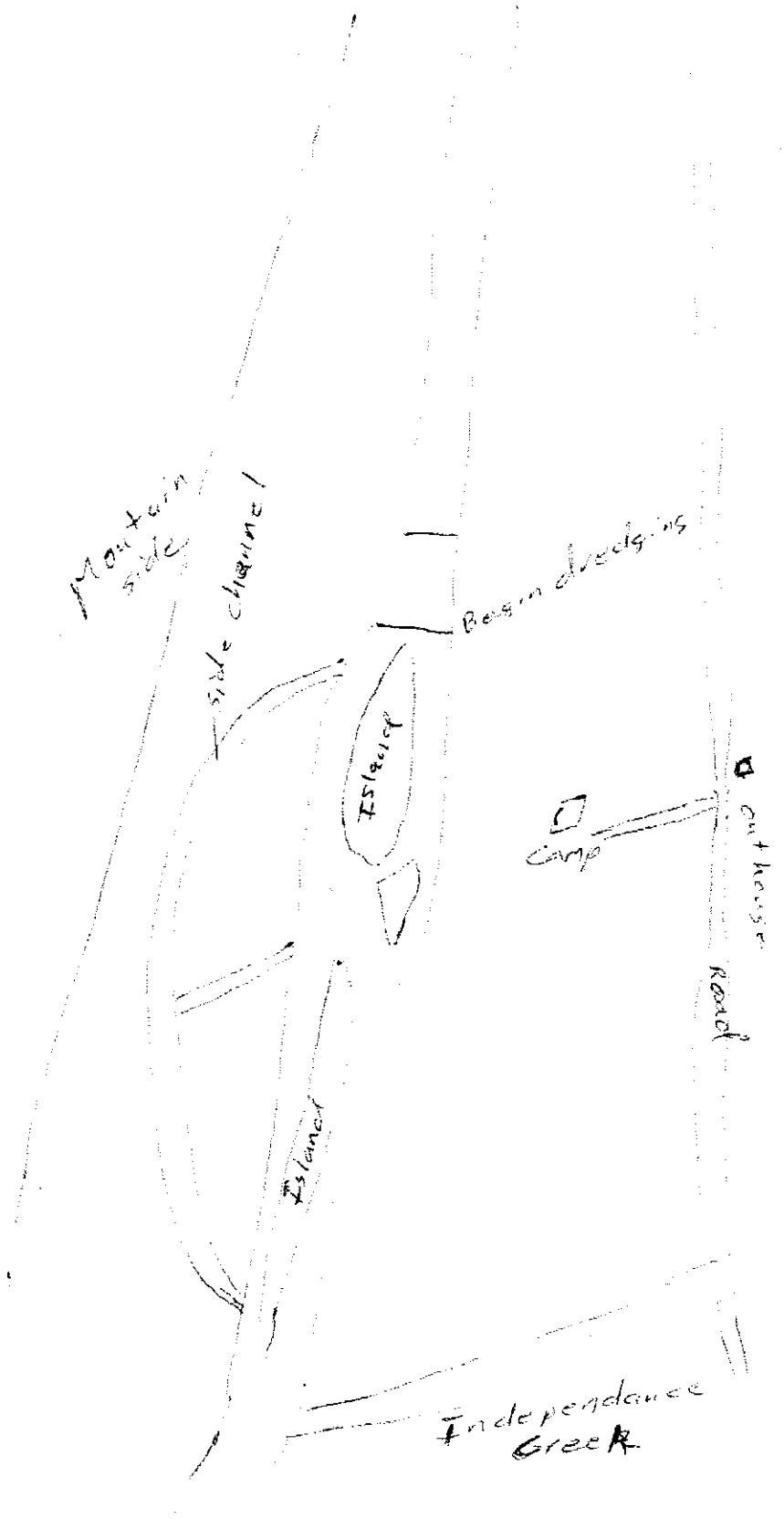
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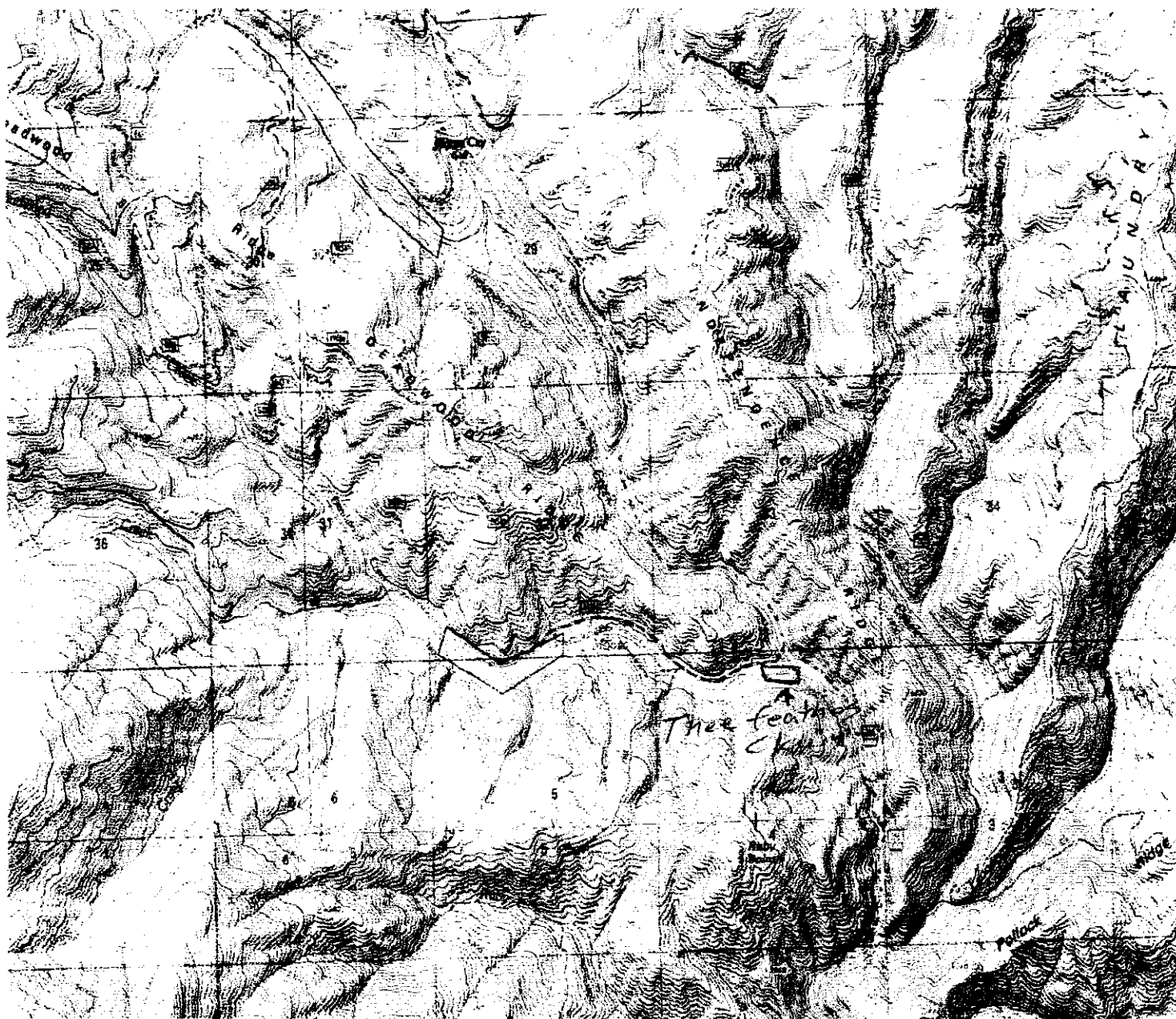
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(If more space is needed to fill out a block of information, use additional sheets and attach form)

Three feathers  
claim







<sup>70</sup>  
Suction Dredging Site Delineation Sketch Form - ~~15m~~ Reaches

Reach # 1

Upstream is top of page. Number, Flag, Photo, Time, and UTM Features. Cross-hatch No-Gos

Stream: Moose Creek Mining Site Name: Whitcomb Date: 7/7/16 Time: 1153

Stream Reach: Upper & lower 50' sections ↓

Upstream Boundary UTM (RBLU): 646305 5186030

Downstream Boundary UTM (RBLU):

